REGULATION FOR THE CALIFORNIA LOW EMISSIONS AND REACTIVITY (CLEAR) PROGRAM FOR AEROSOL COATING PRODUCTS

Adopt new Article 3.1, Aerosol Coating Products, sections 94530-94539, Title 17, California Code of Regulations, to read as follows:

SUBCHAPTER 8.5 CONSUMER PRODUCTS

Article 3.1. Aerosol Coating Products

94530. Purpose and Applicability

(a) **Purpose**

The purpose of this article is to provide a voluntary alternative method for manufacturers and marketers of aerosol coating products to comply with Title 17, California Code of Regulations, sections 94520-94528, (Aerosol Coatings Regulation).

(b) Applicability

This article may be used as an alternative means to comply with the Aerosol Coatings Regulation for any person who sells, supplies, offers for sale, applies, or manufactures aerosol coating products for use in the State of California. Unless modified by this Article 3.1, all other provisions of the Aerosol Coatings Regulation, sections 94520-94528, shall apply.

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94531. Definitions

- (a) For the purposes of this article, except for the VOC definition found in section 94521(a)(62), all other definitions set forth in section 94521 of the Aerosol Coatings Regulation and the following additional definitions shall apply:
- (1) "Absolute Maximum Incremental Reactivity" (MIR_{abs}) means the grams of ozone formed per gram (g) of volatile organic compound (VOC) emitted. The units of an absolute MIR value are g O_3/g VOC.

- (2) "Adjusted Maximum Incremental Reactivity" (MIR_{ADJ}) means the Absolute MIR value multiplied by the Uncertainty Factor as set forth in the Table of Specific MIR Values in section 94533(d). MIR_{ADJ} values are used to calculate both Product Weighted MIR (PWMIR) and CLEAR limits.
- (3) "Base Reactive Organic Gas" (ROG) means a mixture of reactive organic gases utilized in the parameters and definition of the absolute MIR scale. The base ROG is used to represent the range of chemical compositions resulting from a variety of conditions including anthropogenic emissions occurring in the ambient air of urban areas.
- (4) "CLEAR Limit" means the maximum product weighted reactivity allowed in an aerosol coating product in a specific category expressed as g O₃/g product.
- (5) "Kinetic Reactivity" (KR) means the fraction of VOC reacting in the atmosphere.
- (6) "k_{OH}" means the reaction rate constant of the reaction of a hydroxyl (OH) radical with a VOC at ambient temperature and pressure.
- (7) "Maximum Incremental Reactivity" (MIR) means the maximum weight of ozone formed by adding a compound to the "base ROG" mixture per weight of compound added expressed to hundredths of a gram, (g O₃/g VOC). For the purposes of this article "MIR" means the absolute MIR value, unless otherwise noted.
- (8) "Mechanistic Reactivity" (MR) means the moles of ozone formed per mole of VOC reacting.
- (9) "Ozone" is a reactive toxic gaseous molecule consisting of three oxygen atoms, (O₃). Ozone is a product of the photochemical processes involving sunlight and is the main ingredient in photochemical smog.
- (10) "Product-Weighted MIR" (PWMIR) means the sum of all weighted-MIR_{ADJ} for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths in grams of ozone formed per gram of product (excluding container and packaging) and calculated according to the following equations:
 - (a) Weighted MIR (Wtd-MIR) ingredient = $MIR_{ADJ} x$ Weight fraction VOC, and,
 - (b) Product Weighted MIR = $(Wtd-MIR)_1 + (Wtd-MIR)_2 + \cdots + (Wtd-MIR)_N$ where,

MIR_{ADJ} = ingredient MIR multiplied by the uncertainty multiplier;

Wtd-MIR = MIR_{ADJ} of each ingredient in a product multiplied by the weight fraction of

that ingredient, as shown in equation (10)(a);

1,2,3...N = each ingredient in the product up to the total N ingredients in the product.

- (11) "Reactive Organic Gas" (ROG) means, for the purposes of this article, the same as the "Volatile Organic Compound" (VOC) definition set forth in section 94521(a).
- (12) "Relative MIR" (MIR_{rel}) means the ratio of the absolute MIR to the base ROG. The MIR_{rel} value is unitless.
- (13) "Uncertainty Factor" means a numerical ranking of the uncertainty of an MIR value as set forth in section 94533(d). The Absolute MIR is multiplied by the uncertainty factor to obtain MIR_{ADI} for a VOC.
- (14) "Upper Limit MIR" (ULMIR) means the kinetic reactivity (KR) multiplied by the mechanistic reactivity (MR) and unit conversion factors. ULMIR is calculated with the following equation:

ULMIR = Upper Limit KR x Upper Limit MR

The units for ULMIR are g O₃/g VOC ingredient.

(15) "Weight Fraction" means the ratio of the weight of an ingredient to the total net weight of the product, expressed to hundredths in grams of ingredient per gram of product (excluding container and packaging) and calculated according to the following equation:

Weight Fraction =
$$\frac{\text{Weight of the ingredient}}{\text{Total product net weight (excluding container and packaging)}}$$

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94532. CLEAR Limits for Aerosol Coating Products

- (a)(1) Except as specified in section 94532(a)(2),(b), (c), (d) and (e), all of the requirements of section 94522 shall apply.
 - (2) As a voluntary alternative to the VOC limits specified in section 94522, a person may sell, supply, offer for sale, or manufacture for use in California any aerosol coating products which, at the time of sale or manufacture, has a PWMIR no greater than the CLEAR Limit, specified in the following Table of CLEAR Limits:

Table of CLEAR Limits (VOC Limits, expressed as percent by weight of product) (CLEAR Limits expressed as grams ozone per gram of product)

	Effectiv	e Date
	January	1, 2002
	VOC Limit, wt%	CLEAR Limit
General Coatings		
Clear Coatings	50.0	1.60
Flat Paint Products	40.0	1.40
Fluorescent Coatings	60.0	1.50
Metallic Coatings	65.0	1.90
Nonflat Paint Products	45.0	1.50
Primers	40.0	1.10
Specialty Coatings		
Art Fixatives or Sealants	60.0	1.40
Auto Body Primers	45.0	1.60
Automotive Bumper and Trim Products	75.0	1.60
Aviation or Marine Primers	70.0	1.50
Aviation Propeller Coatings	70.0	2.60

Specialty Coatings (continue	d)	
	Effectiv	ve Date
	January	1, 2002
Corrosion Resistant Brass, Bronze, or Copper Coatings	70.0	1.60
Exact Match Finishes: Engine Enamel Automotive Industrial	50.0 50.0 70.0	1.50 1.50 0.90
Floral Sprays	70.0	0.80
Glass Coatings	65.0	1.50
Ground Traffic/Marking Coatings	45.0	1.30
High Temperature Coatings	60.0	1.80
Hobby/Model/Craft Coatings: Enamel Lacquer Clear or Metallic	70.0 70.0 80.0	1.10 2.40 1.60
Marine Spar Varnishes	60.0	0.90
Photograph Coatings	70.0	0.80
Pleasure Craft Finish Primers Surfacers or Undercoaters	70.0	0.70
Pleasure Craft Topcoats	55.0	0.90
Specialty Coatings (continue	d)	

	Effective Date			
	January 1, 2002			
	VOC Limit, wt%	CLEAR Limit		
Shellac Sealers: Clear Pigmented	70.0 60.0	1.00 0.80		
Slip-Resistant Coatings	60.0	1.00		
Spatter/Multicolor Coatings	55.0	0.70		
Vinyl/Fabric/Leather/ Polycarbonate	70.0	1.70		
Webbing/Veil Coatings	80.0	0.90		
Weld-Through Primers	50.0	1.00		
Wood Stains	75.0	1.00		
Wood Touch-Up, Repair, or Restoration Coatings	90.0	0.90		

(b) **Products Containing Methylene Chloride.**

- (1) After the effective date of this article, for any aerosol coating product for which limits are specified in section 94532(a)(2), no person shall sell, supply, offer for sale, apply, or manufacture for use in California any aerosol coating product which contains methylene chloride. The requirements of this section 94532(b) shall not apply to (A) any existing product formulation that complies with the Table of CLEAR Limits and was sold in California during calendar year 1997, or (B) any product formulation that was sold in California during calendar year 1997 that is reformulated to meet the Table of CLEAR Limits as long as the content of methylene chloride in the reformulated product does not increase.
- (2) The requirements of section 94532(b)(1) shall not apply to any aerosol coating product containing methylene chloride that are present as impurities in a combined amount

equal to or less than 0.01% by weight of the product.

- (c) Multicomponent Kits Requirements for Products Formulated to meet CLEAR Limits. Any person utilizing this article, shall not sell, supply, offer for sale, apply, or manufacture for use in California any multi-component kit, as defined in section 94521, in which the Kit PWMIR is greater than the total of all the CLEAR limits that would be allowed in the multi-component kit if each component product in the kit had separately met the applicable CLEAR Limit. Kit PWMIR and Total CLEAR are calculated as in equations (1), (2) and (3) below:
 - (1) Kit PWMIR = $(PWMIR_{(1)} \times W_1) + (PWMIR_{(2)} \times W_2) + \cdots + (PWMIR_{(n)} \times W_n)$
 - (2) Total CLEAR = (CLEAR₁ \times W₁) + (CLEAR₂ \times W₂) + ··· + (CLEAR_n \times W_n)
 - (3) Kit PWMIR \leq Total CLEAR

Where:

W = the weight of the product contents (excluding container) CLEAR = the CLEAR Limit specified in section 94532(a)(2) Subscript 1 denotes the first component product in the kit Subscript 2 denotes the second component product in the kit Subscript n denotes any additional component product

(d) **Products Assembled by Adding Bulk Paint to Aerosol Containers of Propellant.** No person shall sell, supply, offer for sale, apply, or manufacture for use in the state of California any aerosol coating product assembled by adding bulk paint to aerosol containers of propellant, unless such products comply with either the limits in section 94522(a)(1) or the CLEAR limits specified in section 94532(a)(2).

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.



94533. Assignment of Maximum Incremental Reactivity (MIR) Values

For the purposes of this article, MIR values are assigned as follows:

- (a) All ingredients which do not contain carbon are assigned a MIR value of 0.0.
- (b) Except as specified in subpart (c) of this section 94533, each aerosol coating ingredient that contains at least one atom of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides, or carbonates, and ammonium carbonate shall be assigned the adjusted MIR value set forth in section 95433(d).
- (c) Any aerosol coating solid, including but not limited to resins, pigments, fillers, plasticizers, and extenders is assigned a MIR value of 0.0.

(d) Table of Specific MIR Values

(1) Compounds

VOC Ingredient	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
1,1,3-Trimethyl Cyclohexane	1.670	1	1.670	Oct. 22, 1998
1,2,3-Trimethyl Benzene	11.901	1	11.901	Oct. 22, 1998
1,2,4-Trimethyl Benzene	7.494	1	7.494	Oct. 22, 1998
1,2-Butandiol	2.184	1	2.184	Oct. 22, 1998
1,2-Dihydroxy Hexane	2.548	1	2.548	Oct. 22, 1998
1,2-Epoxybutane	1.500	1	1.500	Oct. 22, 1998
1,3,5-Triethyl Cyclohexane	1.368	1	1.368	Oct. 22, 1998
1,3,5-Trimethyl Benzene	11.097	1	11.097	Oct. 22, 1998
1,3,5-Tripropyl Cyclohexane	0.990	1	0.990	Oct. 22, 1998
1,3-Butadiene	13.089	1	13.089	Oct. 22, 1998
1,3-Diethyl-5-Methyl Cyclohexane	1.554	1	1.554	Oct. 22, 1998
1,3-Diethyl-5-Pentyl Cyclohexane	1.208	1	1.208	Oct. 22, 1998
1,3-Diethyl-Cyclohexane	1.630	1	1.630	Oct. 22, 1998
1,3-Dimethyl Cyclohexane	2.148	1	2.148	Oct. 22, 1998
1,3-Dimethyl Cyclopentane	2.207	1	2.207	Oct. 22, 1998
1,3-Dipropyl-5-Butyl Cyclohexane	0.849	1	0.849	Oct. 22, 1998
1,3-Dipropyl-5-Ethyl Cyclohexane	1.086	1	1.086	Oct. 22, 1998
1,4-Diethyl-Cyclohexane	1.877	1	1.877	Oct. 22, 1998
1-Butanol	7 063	1	7 063	Oct 22 1998

VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
1-Butene	10.798	1	10.798	Oct. 22, 1998
1-Ethoxy-2-Propanol	4.012	1	4.012	Oct. 22, 1998
1-Ethyl-2-Propyl Cyclohexane	1.188	1	1.188	Oct. 22, 1998
1-Ethyl-4-Methyl Cyclohexane	2.102	1	2.102	Oct. 22, 1998
1-Heptanol	2.340	1	2.340	Oct. 22, 1998
1-Heptene	5.071	1	5.071	Oct. 22, 1998
1-Hexanal	5.082	1	5.082	Oct. 22, 1998
1-Hexanol	2.835	1	2.835	Oct. 22, 1998
1-Hexene	6.296	1	6.296	Oct. 22, 1998
1-Methoxy-2-Propanol	3.228	1	3.228	Oct. 22, 1998
1-Methyl-2-Hexyl-Cyclohexane	0.833	1	0.833	Oct. 22, 1998
1-Methyl-2-Octyl Cyclohexane	0.655	1	0.655	Oct. 22, 1998
1-Methyl-3-Isopropyl Cyclohexane	1.528	1	1.528	Oct. 22, 1998
1-Methyl-4-Heptyl Cyclohexane	0.727	1		Oct. 22, 1998
1-Methyl-4-Nonyl Cyclohexane	0.589	1	0.589	Oct. 22, 1998
1-Methyl-4-Pentyl Cyclohexane	1.070	1	1.070	Oct. 22, 1998
1-Octanol	2.190	1	2.190	Oct. 22, 1998
1-Pentanal	6.090	1	6.090	Oct. 22, 1998
1-Pentene	8.165	1	8.165	Oct. 22, 1998
2-(2-Ethoxyethoxy) Ethanol	3.873	1		Oct. 22, 1998
2-(2-Methoxyethoxy) Ethanol	4.067	1		Oct. 22, 1998
2,2,3,3-Tetramethyl Butane	0.517	1	0.517	Oct. 22, 1998
2,2,3-Trimethyl Butane	1.576	1		Oct. 22, 1998
2,2,4-Trimethyl Pentane	1.688	1		Oct. 22, 1998
2,2,5-Trimethyl Hexane	1.638	1		Oct. 22, 1998
2,2-Dimethyl Butane	1.521	1	1.521	Oct. 22, 1998
2,2-Dimethyl Hexane	1.462	1	1.462	Oct. 22, 1998
2,2-Dimethyl Pentane	1.492	1	1.492	Oct. 22, 1998
2,2-Dimethyl-1-Propanal	5.740	1	5.740	Oct. 22, 1998
2,3,3-Trimethyl-1-Butene	5.176	1		Oct. 22, 1998
2,3,4-Trimethyl Pentane	1.519	1		Oct. 22, 1998
2,3,5-Trimethyl Hexane	1.617			Oct. 22, 1998
2,3-Dimethyl Butane	1.311			Oct. 22, 1998
2,3-Dimethyl Hexane	1.783			Oct. 22, 1998
2,3-Dimethyl Naphthalene	5.254			Oct. 22, 1998
2,3-Dimethyl Pentane	1.785		1.785	
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
2,3-Dimethyl-1-Butene	5.061	1	5.061	Oct. 22, 1998

2,3-Dimethyl-2-Butene	15.117	1		Oct. 22, 1998
2,4-Dimethyl Heptane	1.998	1	1.998	Oct. 22, 1998
2,4-Dimethyl Hexane	2.308	1	2.308	Oct. 22, 1998
2,4-Dimethyl Octane	1.576	1	1.576	Oct. 22, 1998
2,4-Dimethyl Pentane	1.853	1	1.853	Oct. 22, 1998
2,5-Dimethyl Hexane	2.215	1	2.215	Oct. 22, 1998
2,6-Diethyl Octane	1.455	1	1.455	Oct. 22, 1998
2,6-Dimethyl Nonane	1.289	1	1.289	Oct. 22, 1998
2,6-Dimethyl Octane	1.505	1	1.505	Oct. 22, 1998
2-Butoxy-Ethanol	3.234	1		Oct. 22, 1998
2-Butyl Tetrahydrofuran	2.851	1		Oct. 22, 1998
2-Ethoxy-Ethanol	4.128	1		Oct. 22, 1998
2-Ethoxyethyl Acetate	2.402	1		Oct. 22, 1998
2-Ethyl-1-Butene	5.297	1		Oct. 22, 1998
2-Ethyl-1-Hexanol	2.545			Oct. 22, 1998
2-Ethyl-Hexyl Acetate	1.081	i e		Oct. 22, 1998
2-Heptanone	2.645	1		Oct. 22, 1998
2-Heptenes	7.075	1		Oct. 22, 1998
2-Hexanol	2.439			Oct. 22, 1998
2-Hexenes	8.462	1		Oct. 22, 1998
2-Methoxy-Ethanol	3.312	1		Oct. 22, 1998
2-Methyl Heptane	1.538	1	1.538	Oct. 22, 1998
2-Methyl Hexane	1.782	1	1.782	Oct. 22, 1998
2-Methyl Nonane	0.982	1		Oct. 22, 1998
2-Methyl Octane	1.225	1		Oct. 22, 1998
2-Methyl Pentane	2.072	1	2.072	Oct. 22, 1998
2-Methyl-1-Butene	7.141	1	7.141	Oct. 22, 1998
2-Methyl-1-Pentene	5.425	1	5.425	Oct. 22, 1998
2-Methyl-1-Propanal	6.218	1	6.218	Oct. 22, 1998
2-Methyl-2-Butene	17.105	1		Oct. 22, 1998
2-Methyl-2-Hexene	14.416	1		Oct. 22, 1998
2-Methyl-3-Hexanone	1.857	1	1.857	Oct. 22, 1998
2-Octanol	2.429	1	2.429	Oct. 22, 1998
2-Pentanol	1.930	1	1.930	Oct. 22, 1998
2-Pentanone	3.006	1	3.006	Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
2-Pentenes	10.632	1	10.632	Oct. 22, 1998
2-Propoxyethanol	4.288			Oct. 22, 1998
3,3-Diethyl Pentane	1.616	1		Oct. 22, 1998
3,3-Dimethyl Pentane	1.559			Oct. 22, 1998
3,3-Dimethyl-1-Butene	7.169			Oct. 22, 1998
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MIR Factor MIR 4-Methyl Decane 1.090 1 1.090 Oct. 22, 1998 4-Methyl Heptane 1.958 1 1.958 Oct. 22, 1998 4-Methyl Nonane 1.366 1 1.366 Oct. 22, 1998 4-Methyl Octane 1.554 1 1.554 Oct. 22, 1998					
3.6-Dimethyl Decane 1.191 1 1.191 Oct. 22, 1998 3.6-Dimethyl Undecane 1.049 1 1.049 Oct. 22, 1998 3.7-Diemyl Nonane 1.252 1 1.252 Oct. 22, 1998 3.7-Diemyl Dodecane 0.932 1 0.932 Oct. 22, 1998 3.7-Diemyl Dridecane 0.803 1 0.803 Oct. 22, 1998 3.8-Diethyl Undecane 0.765 1 0.765 Oct. 22, 1998 3.9-Diethyl Undecane 3.592 1 3.592 Oct. 22, 1998 3.6-Einoxy-1-Propanol 4.693 1 4.693 Oct. 22, 1998 3.4-Methoxy-1-Butanol 1.156 1 1.156 Oct. 22, 1998 3.4-Methyl Decane 0.978 1 0.978 Oct. 22, 1998 3.4-Methyl Dodecane 0.750 1 0.750 Oct. 22, 1998 3.4-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3.4-Methyl Heptane 1.189 1 1.189 Oct. 22, 1998 3.4-Methyl Heptane 1.189 <td>3,5-Diethyl Heptane</td> <td>1.658</td> <td>1</td> <td>1.658</td> <td>Oct. 22, 1998</td>	3,5-Diethyl Heptane	1.658	1	1.658	Oct. 22, 1998
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8.6-Dimethyl Undecane 1.049 1 1.049 Oct. 22, 1998 8.7-Dimethyl Nonane 1.252 1 1.252 Oct. 22, 1998 8.7-Dimethyl Dodecane 0.932 1 0.933 Oct. 22, 1998 8.8-Diethyl Decane 0.870 1 0.870 Oct. 22, 1998 8.9-Diethyl Undecane 0.765 1 0.765 Oct. 22, 1998 8-Carene 3.592 1 3.592 Oct. 22, 1998 8-Ethoxy-1-Propanol 4.693 1 4.693 Oct. 22, 1998 8-Methoxy-3-Methyl-Butanol 1.156 1 1.156 Oct. 22, 1998 3-Methyl Decane 0.978 1 0.978 Oct. 22, 1998 3-Methyl Decane 0.750 1 0.750 Oct. 22, 1998 3-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3-Methyl Heptane 0.561 1 0.561 Oct. 22, 1998 3-Methyl Tevadecane 0.561 1 <td>3,6-Dimethyl Decane</td> <td>1.191</td> <td>1</td> <td>1.191</td> <td>Oct. 22, 1998</td>	3,6-Dimethyl Decane	1.191	1	1.191	Oct. 22, 1998
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3,7-Dimethyl Tridecane 0.803 1 0.803 Oct. 22, 1998 3,8-Diethyl Decane 0.870 1 0.870 Oct. 22, 1998 3,9-Diethyl Undecane 0.765 1 0.765 Oct. 22, 1998 3-Carene 3.592 1 3.592 Oct. 22, 1998 3-Ethoxy-1-Propanol 4.693 1 4.693 Oct. 22, 1998 3-Methoxy-3-Methyl-Butanol 1.156 1 1.156 Oct. 22, 1998 3-Methyl Decane 0.978 1 0.978 Oct. 22, 1998 3-Methyl Decane 0.978 1 0.978 Oct. 22, 1998 3-Methyl Pocane 0.750 1 0.750 Oct. 22, 1998 3-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3-Methyl Heptane 1.188 1 1.189 Oct. 22, 1998 3-Methyl Heptane 1.188 1 1.189 Oct. 22, 1998 3-Methyl Pentadecane 0.610 1 0.610 Oct. 22, 1998 3-Methyl Tridecane 0.674 1	·	0.932	1		
8.8-Diethyl Decane 0.870 1 0.870 Oct. 22, 1998 8.9-Diethyl Undecane 0.765 1 0.765 Oct. 22, 1998 3-Ethoxy-1-Propanol 4.693 1 4.693 Oct. 22, 1998 3-Methoxy-1-Butanol 1.156 1 1.156 Oct. 22, 1998 3-Methyl Decane 0.978 1 0.978 Oct. 22, 1998 3-Methyl Dodecane 0.750 1 0.750 Oct. 22, 1998 3-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3-Methyl Heptane 2.221 1 2.221 Oct. 22, 1998 3-Methyl Nonane 1.189 1 1.189 Oct. 22, 1998 3-Methyl Pentadecane 0.561 1 0.561 Oct. 22, 1998 3-Methyl Tridecane 0.674 1 0.674 Oct. 22, 1998 3-Methyl Undecane 8.060 1			1		î .
3.9-Diethyl Undecane 0.765 1 0.765 Oct. 22, 1998 3-Carene 3.592 1 3.592 Oct. 22, 1998 3-Ethoxy-1-Propanol 4.693 1 4.693 Ct. 22, 1998 3-Methoxy-1-Butanol 1.156 1 1.156 Oct. 22, 1998 3-Methyl Decane 0.978 1 0.978 Oct. 22, 1998 3-Methyl Decane 0.9750 1 0.750 Oct. 22, 1998 3-Methyl Heptane 1.781 1 1.781 Oct. 22, 1998 3-Methyl Hexane 2.221 1 2.221 Oct. 22, 1998 3-Methyl Hexane 2.221 1 2.221 Oct. 22, 1998 3-Methyl Nonane 1.189 1 1.189 Oct. 22, 1998 3-Methyl Teirdaccane 0.661 1 0.661 Oct. 22, 1998 3-Methyl Tridecane 0.674 1 0.674 Oct. 22, 1998 3-Methyl-1-Butane 8.060 1 8.060 Oct. 22, 1998 3-Methyl-1-Butene 8.060 1 8.060					î .
3.592 1 3.592 0ct. 22, 1998			1		
S-Ethoxy-1-Propanol 4.693 1 4.693 Oct. 22, 1998			1		
3-Methoxy-1-Butanol 1.156		i			
3-Methoxy-3-Methyl-Butanol 2.179 1 2.179 Oct. 22, 1998					
3-Methyl Decane 0.978 1 0.978 0ct. 22, 1998	·				
3-Methyl Dodecane 0.750					ì
3-Methyl Heptane	•				
3-Methyl Hexane 2.221 1 2.221 Oct. 22, 1998					
3-Methyl Nonane 1.189					
3-Methyl Pentadecane 0.561 1 0.561 Oct. 22, 1998					
3-Methyl Tetradecane 0.610 1 0.610 Oct. 22, 1998					
3-Methyl Tridecane 0.674 1 0.674 Oct. 22, 1998	·				
3-Methyl Undecane 0.848 1 0.848 Oct. 22, 1998					
3-Methyl-1-Butanal 5.872 1 5.872 Oct. 22, 1998					
3-Methyl-1-Butene 8.060 1 8.060 Oct. 22, 1998	·		1		ì
3-Methyl-1-Pentene 6.921 1 6.921 Oct. 22, 1998					ì
3-Methylpentane 2.330 1 2.330 Oct. 22, 1998	-		1		ì
3-Octanol 2.863 1 2.863 Oct. 22, 1998			1		
3-Pentanol 1.829 1 1.829 Oct. 22, 1998		i	1		
3-Pentanone 1.519 1 1.519 Oct. 22, 1998	3-Pentanol	1.829	1		
4,8-Dimethyl Tetradecane 0.732 1 0.732 Oct. 22, 1998 4-Ethyl Heptane 1.935 1 1.935 Oct. 22, 1998 VOC Ingredient (Table Continued) Absolute MIR Uncertainty Factor Adjusted MIR Effective Date MIR 4-Methyl Decane 1.090 1 1.090 Oct. 22, 1998 4-Methyl Heptane 1.958 1 1.958 Oct. 22, 1998 4-Methyl Nonane 1.366 1 1.366 Oct. 22, 1998 4-Methyl Octane 1.554 1 1.554 Oct. 22, 1998 4-Methyl-1-Pentene 6.654 1 6.654 Oct. 22, 1998 4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	3-Pentanone	1.519	1		î .
Absolute MIR Uncertainty Factor Adjusted MIR Effective Date	4,8-Dimethyl Tetradecane	0.732	1		
VOC Ingredient (Table Continued) Absolute MIR Uncertainty Factor Adjusted MIR Effective Date 4-Methyl Decane 1.090 1 1.090 Oct. 22, 1998 4-Methyl Heptane 1.958 1 1.958 Oct. 22, 1998 4-Methyl Nonane 1.366 1 1.366 Oct. 22, 1998 4-Methyl Octane 1.554 1 1.554 Oct. 22, 1998 4-Methyl-1-Pentene 6.654 1 6.654 Oct. 22, 1998 4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	·	1.935	1		
4-Methyl Heptane 1.958 1 1.958 Oct. 22, 1998 4-Methyl Nonane 1.366 1 1.366 Oct. 22, 1998 4-Methyl Octane 1.554 1 1.554 Oct. 22, 1998 4-Methyl-1-Pentene 6.654 1 6.654 Oct. 22, 1998 4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	VOC Ingredient (Table Continued)		•		Effective Date
4-Methyl Heptane 1.958 1 1.958 Oct. 22, 1998 4-Methyl Nonane 1.366 1 1.366 Oct. 22, 1998 4-Methyl Octane 1.554 1 1.554 Oct. 22, 1998 4-Methyl-1-Pentene 6.654 1 6.654 Oct. 22, 1998 4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	4-Methyl Decane	1.090	1	1.090	Oct. 22, 1998
4-Methyl Octane 1.554 1 1.554 Oct. 22, 1998 4-Methyl-1-Pentene 6.654 1 6.654 Oct. 22, 1998 4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	4-Methyl Heptane	1.958	1		
4-Methyl-1-Pentene 6.654 1 6.654 Oct. 22, 1998 4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	4-Methyl Nonane	1.366	1	1.366	Oct. 22, 1998
4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	4-Methyl Octane	1.554	1	1.554	Oct. 22, 1998
4-Methyl-2-Pentanone 4.684 1 4.684 Oct. 22, 1998 4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	4-Methyl-1-Pentene	6.654	1	6.654	Oct. 22, 1998
4-Octanol 3.236 1 3.236 Oct. 22, 1998 4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	4-Methyl-2-Pentanone	4.684	1	4.684	Oct. 22, 1998
4-Propyl Heptane 1.639 1 1.639 Oct. 22, 1998	4-Octanol	3.236	1	3.236	Oct. 22, 1998
	4-Propyl Heptane	1.639	1	1.639	Oct. 22, 1998
		0.802	1		

5-Methyl Undecane	0.937	1	0.937	Oct. 22, 1998
6-Methyl Tetradecane	0.658	1	0.658	Oct. 22, 1998
6-Methyl Tridecane	0.726	1	0.726	Oct. 22, 1998
7-Methyl Pentadecane	0.572	1	0.572	Oct. 22, 1998
Acetaldehyde	7.268	1		Oct. 22, 1998
Acetic Acid	0.672	1		Oct. 22, 1998
Acetone	0.482	1	î	Oct. 22, 1998
Acetylene	1.232	1		Oct. 22, 1998
Acrolein	8.088	1		Oct. 22, 1998
Alkyl Phenols	2.418	1		Oct. 22, 1998
Alkyl Phenols	2.418	1		Oct. 22, 1998
Alkyl Phenols	2.418	1		Oct. 22, 1998
Alkyl Phenols	2.418	1		Oct. 22, 1998
Alpha-Methyltetrahydrofuran	5.290	1		Oct. 22, 1998
Amyl Acetate	1.165	1		Oct. 22, 1998
a-Pinene	4.938	1		Oct. 22, 1998
Base ROG Mixture	3.928	1		Oct. 22, 1998
Benzaldehyde	0.000	1		Oct. 22, 1998
Benzene	0.999	1		Oct. 22, 1998
Biacetyl	22.680	1		Oct. 22, 1998
p-Pinene	3.499	1		Oct. 22, 1998
Branched C10 Alkanes	1.339	1		Oct. 22, 1998
Branched C11 alkanes	1.161	1		Oct. 22, 1998
Branched C12 Alkanes	1.041	1		Oct. 22, 1998
Branched C13 Alkanes	0.913	1		Oct. 22, 1998
Branched C14 Alkanes	0.816	1		Oct. 22, 1998
Branched C15 Alkanes	0.718	1		Oct. 22, 1998
Branched C16 Alkanes	0.649	1		Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
Branched C17 Alkanes	0.612	1	0.612	Oct. 22, 1998
Branched C18 Alkanes	0.578	1	0.578	Oct. 22, 1998
Branched C5 Alkanes	1.934	1		Oct. 22, 1998
Branched C6 Alkanes	1.756	1		Oct. 22, 1998
Branched C7 Alkanes	1.927	1		Oct. 22, 1998
Branched C8 Alkanes	2.028	1		Oct. 22, 1998
Branched C9 Alkanes	1.730	1	1.730	Oct. 22, 1998
Butyl Cyclohexane	1.371	1	1.371	Oct. 22, 1998
C10 Bicycloalkanes	1.613	1		Oct. 22, 1998
C10 Cycloalkanes	1.590	1		Oct. 22, 1998
C10 Monosubstituted Benzenes	2.104	1		Oct. 22, 1998
C11 Bicycloalkanes	1.324	1	1.324	

C11 Cycleolkones	1 206	1	1 206	Oct 22 1000
C11 Cycloalkanes	1.306	1		Oct. 22, 1998
C11 Monosubstituted Benzenes	1.905	1		Oct. 22, 1998
C12 Bicycloalkanes	1.143	1		Oct. 22, 1998
C12 Cycloalkanes	1.129	1		Oct. 22, 1998
C12 Disubstituted Naphthalenes	5.254	1		Oct. 22, 1998
C12 Monosubstituted Benzenes	1.740	1		Oct. 22, 1998
C12 Monosubstituted Naphthalenes	4.062	1		Oct. 22, 1998
C13 Bicycloalkanes	0.958	1		Oct. 22, 1998
C13 Cycloalkanes	0.947	1		Oct. 22, 1998
C13 Monosubstituted Benzenes	1.602	1		Oct. 22, 1998
C14 Bicycloalkanes	0.849	1		Oct. 22, 1998
C14 Cycloalkanes	0.840	1		Oct. 22, 1998
C15 Bicycloalkanes	0.770	1	0.770	Oct. 22, 1998
C15 Cycloalkanes	0.763	1	0.763	Oct. 22, 1998
C3 Aldehydes	8.302	1	8.302	Oct. 22, 1998
C4 Aldehydes	7.063	1	7.063	Oct. 22, 1998
C4 Internal Alkenes	14.163	1	14.163	Oct. 22, 1998
C4 Ketones	1.324	1	1.324	Oct. 22, 1998
C4 Terminal Alkenes	10.798	1	10.798	Oct. 22, 1998
C5 Aldehydes	6.089	1	6.089	Oct. 22, 1998
C5 Internal Alkenes	10.632	1	10.632	Oct. 22, 1998
C5 Ketones	3.006	1	3.006	Oct. 22, 1998
C5 Terminal Alkenes	8.165	1	8.165	Oct. 22, 1998
C6 Aldehydes	5.082	1	5.082	Oct. 22, 1998
C6 Cyclic Ketones	1.727	1	1.727	Oct. 22, 1998
C6 Cycloalkanes	1.964	1	1.964	Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute			
	MIR	Uncertainty Factor	Adjusted MIR	Effective Date
C6 Internal Alkenes	MIR 8.462	•	MIR	Effective Date Oct. 22, 1998
C6 Internal Alkenes C6 Ketones		Factor	MIR 8.462	
	8.462	Factor 1 1	MIR 8.462 3.716	Oct. 22, 1998
C6 Ketones	8.462 3.716	Factor 1 1	8.462 3.716 6.296	Oct. 22, 1998 Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes	8.462 3.716 6.296	1 1 1 1	8.462 3.716 6.296 1.511	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones	8.462 3.716 6.296 1.511	1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones C7 Cycloalkanes	8.462 3.716 6.296 1.511 2.107	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107 7.075	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones C7 Cycloalkanes C7 Internal Alkenes	8.462 3.716 6.296 1.511 2.107 7.075	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107 7.075 2.645	Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones C7 Cycloalkanes C7 Internal Alkenes C7 Ketones	8.462 3.716 6.296 1.511 2.107 7.075 2.645	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071	Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones C7 Cycloalkanes C7 Internal Alkenes C7 Ketones C7 Terminal Alkenes	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071	Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones C7 Cycloalkanes C7 Internal Alkenes C7 Ketones C7 Terminal Alkenes C8 Cycloalkanes C8 Disubstituted Benzenes	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071 1.998	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071 1.998 7.811	Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones C7 Cycloalkanes C7 Internal Alkenes C7 Ketones C7 Ketones C7 Terminal Alkenes C8 Cycloalkanes C8 Disubstituted Benzenes C9 Bicycloalkanes	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071 1.998 7.811 1.969	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071 1.998 7.811	Oct. 22, 1998
C6 Ketones C6 Terminal Alkenes C7 Cyclic Ketones C7 Cycloalkanes C7 Internal Alkenes C7 Ketones C7 Terminal Alkenes C8 Cycloalkanes C8 Disubstituted Benzenes	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071 1.998 7.811	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.462 3.716 6.296 1.511 2.107 7.075 2.645 5.071 1.998 7.811 1.969 1.937	Oct. 22, 1998

C9 Trisubstituted Benzenes				
po modbolitated Belizenes	10.174	1	10.174	Oct. 22, 1998
Carbon Monoxide	0.067	1	0.067	Oct. 22, 1998
Cis-2-Butene	13.805	1	13.805	Oct. 22, 1998
Cis-2-Hexene	8.462	1	8.462	Oct. 22, 1998
Cis-2-Pentene	10.620	1	10.620	Oct. 22, 1998
Cis-3-Hexene	8.433	1	8.433	Oct. 22, 1998
Cis-3-Methyl-2-Hexene	14.736	1	14.736	Oct. 22, 1998
Crotonaldehyde	10.122	1	10.122	Oct. 22, 1998
Cyclobutane	1.239	1	1.239	Oct. 22, 1998
Cycloheptane	2.291	1	2.291	Oct. 22, 1998
Cyclohexane	1.964	1	1.964	Oct. 22, 1998
Cyclohexanol	2.789	1	2.789	Oct. 22, 1998
Cyclohexanone	1.727	1	1.727	Oct. 22, 1998
Cyclooctane	1.854	1	1.854	Oct. 22, 1998
Cyclopentane	2.607	1	2.607	Oct. 22, 1998
Cyclopentanol	2.043	1	2.043	Oct. 22, 1998
Cyclopropane	0.112	1	0.112	Oct. 22, 1998
D4 Cyclosiloxane	0.000	1	0.000	Oct. 22, 1998
D5 Cyclosiloxane	0.000	1	0.000	Oct. 22, 1998
Decyl Cyclohexane	0.591	1	0.591	Oct. 22, 1998
Decyl Cyclopentane	0.000	1	0.000	Oct. 22, 1998
Di n-Propyl Ether	3.559	1	3.559	Oct. 22, 1998
Diacetone Alcohol	0.958	1	0.958	Oct. 22, 1998
Diethyl Ether	4.212	1	4.212	Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
Diathy Jana Chical				
Diethylene Glycol	4.514	1	4.514	Oct. 22, 1998
Diethylene Glycol Di-Isobutyl Ether	4.514 2.389	1		Oct. 22, 1998 Oct. 22, 1998
			2.389	
Di-Isobutyl Ether	2.389	1	2.389 0.901	Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate	2.389 0.901	1 1 1	2.389 0.901 1.878	Oct. 22, 1998 Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone	2.389 0.901 1.878	1 1 1	2.389 0.901 1.878 1.929	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate	2.389 0.901 1.878 1.929	1 1 1 1	2.389 0.901 1.878 1.929 1.018	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether	2.389 0.901 1.878 1.929 1.018	1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate	2.389 0.901 1.878 1.929 1.018 0.585	1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate Dimethyl Naphthalenes	2.389 0.901 1.878 1.929 1.018 0.585 5.254	1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate Dimethyl Naphthalenes Dimethyl Succinate	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410	1 1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450	Oct. 22, 1998 Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate Dimethyl Naphthalenes Dimethyl Succinate Di-n-butyl Ether	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450	1 1 1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461	Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate Dimethyl Naphthalenes Dimethyl Succinate Di-n-butyl Ether Di-n-Pentyl Ether	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461	1 1 1 1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461 3.371	Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate Dimethyl Naphthalenes Dimethyl Succinate Di-n-butyl Ether Di-n-Pentyl Ether Dipropylene Glycol	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461 3.371	1 1 1 1 1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461 3.371 4.598	Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate Dimethyl Naphthalenes Dimethyl Succinate Di-n-butyl Ether Di-n-Pentyl Ether Dipropylene Glycol d-Limonene	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461 3.371 4.598	1 1 1 1 1 1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461 3.371 4.598 0.355	Oct. 22, 1998
Di-Isobutyl Ether Di-Isopropyl Carbonate Di-Isopropyl Ketone Dimethyl Adipate Dimethyl Ether Dimethyl Glutarate Dimethyl Naphthalenes Dimethyl Succinate Di-n-butyl Ether Di-n-Pentyl Ether Di-n-Pentyl Ether Dipropylene Glycol d-Limonene Ethane	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461 3.371 4.598 0.355	1 1 1 1 1 1 1 1 1 1 1 1	2.389 0.901 1.878 1.929 1.018 0.585 5.254 0.410 3.450 3.461 3.371 4.598 0.355 1.918	Oct. 22, 1998

Ethyl 2 Ethour Dropionata	2.074	1	2.074	Oat 22 4000
Ethyl 3-Ethoxy Propionate	2.971	1		Oct. 22, 1998
Ethyl Acetate	0.800	1		Oct. 22, 1998
Ethyl Benzene	2.971	1		Oct. 22, 1998
Ethyl Butyrate	1.250	1		Oct. 22, 1998
Ethyl Cyclopentane	2.320	1		Oct. 22, 1998
Ethyl Formate	0.482	1		Oct. 22, 1998
Ethyl Isopropyl Ether	4.754	1		Oct. 22, 1998
Ethyl Lactate	2.779	1		Oct. 22, 1998
Ethyl n-Butyl Ether	3.880	1		Oct. 22, 1998
Ethyl Propionate	0.862	1		Oct. 22, 1998
Ethyl t-Butyl Ether	2.835	1		Oct. 22, 1998
Ethylcyclohexane	1.998	1		Oct. 22, 1998
Ethylene Glycol	5.662	1		Oct. 22, 1998
Ethylene Oxide	0.087	1		Oct. 22, 1998
Formaldehyde	9.120	1	9.120	Oct. 22, 1998
Formic Acid	0.181	1	0.181	Oct. 22, 1998
Glutaraldehyde	5.119	1	5.119	Oct. 22, 1998
Glycerol	3.758	1	3.758	Oct. 22, 1998
Glyoxal	14.386	1	14.386	Oct. 22, 1998
Heptyl Cyclohexane	0.804	1	0.804	Oct. 22, 1998
Heptyl Cyclopentane	0.000	1	0.000	Oct. 22, 1998
Hexamethyldisiloxane	0.000	4	0.000	0-1-00-1000
ievanienikiniovane	0.000	1	0.000	Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
VOC Ingredient (Table Continued)	Absolute	Uncertainty	Adjusted MIR	Effective Date
VOC Ingredient (Table Continued) Hexyl Cyclohexane	Absolute MIR	Uncertainty Factor	Adjusted MIR 0.954	Effective Date Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone	Absolute MIR	Uncertainty Factor	Adjusted MIR 0.954 3.065	Effective Date Oct. 22, 1998 Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein	Absolute MIR 0.954 3.065	Uncertainty Factor 1	Adjusted MIR 0.954 3.065 6.799	Effective Date Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone	Absolute MIR 0.954 3.065 6.799	Uncertainty Factor 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane	Absolute MIR 0.954 3.065 6.799 0.000	Uncertainty Factor 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564	Uncertainty Factor 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806	Uncertainty Factor 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806	Oct. 22, 1998 Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075	Uncertainty Factor 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate sobutyl Alcohol	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473	Uncertainty Factor 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075	Uncertainty Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate sobutyl Alcohol sobutyl Isobutyrate	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865	Uncertainty Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate sobutyl Alcohol sobutyl Isobutyrate so-Pentane	0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934	Uncertainty Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate sobutyl Alcohol sobutyl Isobutyrate so-Pentane soprene	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475 7.867	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate sobutyl Alcohol sobutyl Isobutyrate so-Pentane soprene soprene Product #1 soprene Product #2	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475 7.867	Uncertainty Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475 7.867	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate sobutyl Alcohol sobutyl Isobutyrate so-Pentane soprene soprene Product #1 soprene Product #3	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475 7.867 7.867 7.864	Uncertainty Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475 7.867 7.867 7.864	Oct. 22, 1998
VOC Ingredient (Table Continued) Hexyl Cyclohexane Hydroxy Acetone Hydroxy Methacrolein Hydroxymethyldisiloxane soamyl Isobutyrate sobutane sobutene sobutyl Acetate sobutyl Alcohol sobutyl Isobutyrate so-Pentane soprene soprene Product #1 soprene Product #2	Absolute MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475 7.867 7.867	Uncertainty Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adjusted MIR 0.954 3.065 6.799 0.000 1.064 1.564 6.806 1.075 2.473 0.865 1.934 11.475 7.867 7.867 7.864 1.210	Oct. 22, 1998

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sopropyl Cyclopropane	1.651	1	1.651	Oct. 22, 1998
Methacrolein	6.467	1		Oct. 22, 1998
Methane	0.015	1	0.015	Oct. 22, 1998
Methanol	0.992	1	0.992	Oct. 22, 1998
Methoxy Acetone	2.247	1	2.247	Oct. 22, 1998
Methyl Acetate	0.118	1	0.118	Oct. 22, 1998
Methyl Butyrate	0.989	1	0.989	Oct. 22, 1998
Methyl Formate	0.139	1	0.139	Oct. 22, 1998
Methyl Glyoxal	17.375	1	17.375	Oct. 22, 1998
Methyl Isobutyrate	0.424	1	0.424	Oct. 22, 1998
Methyl Isopropyl Carbonate	0.900	1	0.900	Oct. 22, 1998
Methyl Lactate	2.814	1	2.814	Oct. 22, 1998
Methyl Naphthalenes	4.468	1	4.468	Oct. 22, 1998
Methyl Naphthalenes	4.468	1	4.468	Oct. 22, 1998
Methyl n-Butyl Ether	3.941	1	3.941	Oct. 22, 1998
Methyl n-Butyl Ketone	3.716	1	3.716	Oct. 22, 1998
Methyl t-Amyl Ether	3.068	1		Oct. 22, 1998
Methyl t-Butyl Ether	1.341	1	1.341	Oct. 22, 1998
Methyl t-Butyl Ketone	1.044	1		Oct. 22, 1998
Methylcyclohexane	2.107	1		Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute	Uncertainty	Adjusted	Effective Date
	MIR	Factor	MIR	Effective Date
Methylcyclopentane		•	MIR	Oct. 22, 1998
	MIR	Factor	MIR 2.402	
Methylcyclopentane	MIR 2.402	Factor 1	2.402 10.016	Oct. 22, 1998 Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone	MIR 2.402 10.016	Factor 1 1	2.402 10.016 11.060	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene	2.402 10.016 11.060	Factor 1 1 1 1	2.402 10.016 11.060 3.052	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone n-Xylene Naphthalene	2.402 10.016 11.060 3.052	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane	2.402 10.016 11.060 3.052 1.438	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol	2.402 10.016 11.060 3.052 1.438 3.324	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone n-Xylene Vaphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate	2.402 10.016 11.060 3.052 1.438 3.324 1.139	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone n-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate n-Butyl Formate	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate n-Butyl Formate n-C16	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone n-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate n-Butyl Formate n-C16 n-C17	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone n-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate n-Butyl Formate n-C16 n-C17 n-C18	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497 0.470	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate n-Butyl Formate n-C16 n-C17 n-C18 n-C19	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497 0.470	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497 0.470 0.445 0.423	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate n-Butyl Formate n-C16 n-C17 n-C18 n-C20	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497 0.470 0.445 0.423	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497 0.470 0.445 0.423	Oct. 22, 1998
Methylcyclopentane Methylvinyl ketone m-Xylene Naphthalene n-Butane n-Butoxy-2-Propanol n-Butyl Acetate n-Butyl Alcohol n-Butyl Benzene n-Butyl Butyrate n-Butyl Formate n-C16 n-C17 n-C18 n-C19 n-C20 n-C21	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497 0.470 0.445 0.423	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.402 10.016 11.060 3.052 1.438 3.324 1.139 3.525 2.104 1.304 0.957 0.528 0.497 0.470 0.445 0.423 0.403	Oct. 22, 1998

Neopentane	0.794	1	0.704	Oct. 22, 1998
	1.434	1		Oct. 22, 1998 Oct. 22, 1998
n-Heptane n-Hexane	1.434	1		Oct. 22, 1998 Oct. 22, 1998
	2.785	1		Oct. 22, 1998 Oct. 22, 1998
N-Methyl-2-Pyrrolidone n-Nonane	1.073	1		
	1.073	1		Oct. 22, 1998 Oct. 22, 1998
h-Octane				
Nonyl Cyclohexane	0.646	1		Oct. 22, 1998
Nonyl Cyclopentane	0.000	1		Oct. 22, 1998
n-Pentadecane	0.570	1		Oct. 22, 1998
h-Pentane	1.744	1		Oct. 22, 1998
n-Propoxy Ethanol	3.562	1		Oct. 22, 1998
h-Propyl Alcohol	2.974	1		Oct. 22, 1998
n-Propyl Benzene	2.349	1		Oct. 22, 1998
n-Propyl Butyrate	1.222	1		Oct. 22, 1998
n-Propyl Formate	0.879	1		Oct. 22, 1998
n-Propyl Propionate	0.985	1		Oct. 22, 1998
n-Tetradecane	0.605	1		Oct. 22, 1998
n-Tridecane	0.660	1	0.660	Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
VOC Ingredient (Table Continued) n-Undecane		•	MIR	Effective Date Oct. 22, 1998
	MIR	Factor	MIR 0.823	
n-Undecane	MIR 0.823	Factor 1	0.823 0.711	Oct. 22, 1998
n-Undecane Octyl Cyclohexane	0.823 0.711	Factor 1 1	0.823 0.711 0.000	Oct. 22, 1998 Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane	0.823 0.711 0.000	Factor 1 1 1	0.823 0.711 0.000 7.833	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane o-Xylene	0.823 0.711 0.000 7.833	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane o-Xylene Pentyl Alcohol	0.823 0.711 0.000 7.833 3.420	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane p-Xylene Pentyl Alcohol Pentyl Cyclohexane	0.823 0.711 0.000 7.833 3.420 1.181	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644	Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane o-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane	0.823 0.711 0.000 7.833 3.420 1.181 0.644	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445	Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane o-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373	Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene Propionic Acid	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975	Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane o-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propionic Acid Propyl Acetate	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773	Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene Propionic Acid Propyl Acetate Propyl Cyclohexane	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040	Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene Propionic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281	Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene Propionic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclopentane Propylene Carbonate	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654	Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene Propionic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclopentane Propylene Carbonate Propylene Glycol	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993	Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene Propionic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclohexane Propylene Carbonate Propylene Glycol Propylene Glycol Methyl Ether Acetate	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422	Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propionic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclopentane Propylene Carbonate Propylene Glycol Propylene Glycol Methyl Ether Acetate Propylene Oxide	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422 4.440	Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propene Propionic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclopentane Propylene Carbonate Propylene Glycol Propylene Glycol Methyl Ether Acetate Propylene Oxide D-Xylene	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422 4.440	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422 4.440 1.722	Oct. 22, 1998
n-Undecane Dctyl Cyclohexane Dctyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propinic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclohexane Propylene Carbonate Propylene Glycol Propylene Glycol Methyl Ether Acetate Propylene Oxide D-Xylene S-Butyl Acetate	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422 4.440 1.722	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422 4.440 1.722 1.701	Oct. 22, 1998
n-Undecane Octyl Cyclohexane Octyl Cyclopentane D-Xylene Pentyl Alcohol Pentyl Cyclohexane Propane Propane Propionic Acid Propyl Acetate Propyl Cyclohexane Propyl Cyclohexane Propyl Cyclohexane Propylene Carbonate Propylene Glycol Propylene Glycol Propylene Oxide D-Xylene S-Butyl Acetate S-Butyl Alcohol	MIR 0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422 4.440 1.722 1.701	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.823 0.711 0.000 7.833 3.420 1.181 0.644 12.445 1.373 0.975 1.773 2.040 0.281 2.654 1.993 0.422 4.440 1.722 1.701 2.103	Oct. 22, 1998

III-KUTVI (VICODOI	0.498	1	0.408	Oct. 22, 1998
-Butyl Alcohol Fetrahydrofuran	5.611	1		Oct. 22, 1998 Oct. 22, 1998
Tetrahydropyran	4.358	1		Oct. 22, 1998 Oct. 22, 1998
Tetralin	1.949	1		Oct. 22, 1998
Tolualdehyde	0.000	1		Oct. 22, 1998
Foluene	4.188	1		Oct. 22, 1998
Frans 3-Methyl-2-Hexene	15.681	1		Oct. 22, 1998
Frans 4-Methyl-2-Hexene	8.316	1		Oct. 22, 1998
rans-2-Butene	14.524	1		Oct. 22, 1998
Frans-2-Hexene	8.462	1		Oct. 22, 1998
trans-2-Pentene	10.644	1		Oct. 22, 1998
Frans-3-Hexene	8.632	1		Oct. 22, 1998
Frimethylene Oxide	6.969	1		Oct. 22, 1998
Fripropylene Glycol Monomethyl Ether	3.034	1		Oct. 22, 1998
Jndecyl Cyclopentane	0.000	1		Oct. 22, 1998
Kylene Isomer Mixture	7.777	1		Oct. 22, 1998
7,550		•	711.11	2 3 2 2 7 1 3 3 0
VOC Ingredient (Table Continued)	Absolute	Uncertainty	Adjusted	Effective Date
	MIR	Factor	MIR	
	0.000		0.400	0 1 00 1000
1,1,1-Trichloroethane	0.090	2		Oct. 22, 1998
1,1,2-Trichloroethane	0.021	2		Oct. 22, 1998
1,1-Dichloroethane	0.023	2		Oct. 22, 1998
1,1-Dichloroethene	0.466	2		Oct. 22, 1998
1,2-Dichloropropane	0.072	2	\sim 4 4 4	Oot 22 1000
1,2-Dimethyl Cyclohexene	6.543	2	13.086	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane	6.543 0.240	2	13.086 0.481	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene	6.543 0.240 2.966	2 2 2	13.086 0.481 5.931	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene	6.543 0.240 2.966 2.272	2 2 2 2	13.086 0.481 5.931 4.544	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal	6.543 0.240 2.966 2.272 4.299	2 2 2 2 2	13.086 0.481 5.931 4.544 8.599	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene	6.543 0.240 2.966 2.272 4.299 7.986	2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene	6.543 0.240 2.966 2.272 4.299 7.986 8.764	2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529	Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998 Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453	2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906	Oct. 22, 1998 Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712	2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079	2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686	2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene 1-Tetradecene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686 1.842	2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373 3.685	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene 1-Tetradecene 1-Tridecene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686 1.842 2.031	2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373 3.685 4.061	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene 1-Tetradecene 1-Tridecene 1-Undecene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686 1.842 2.031 2.575	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373 3.685 4.061 5.150	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene 1-Tetradecene 1-Tridecene 1-Undecene 2-(2-Butoxyethoxy)-Ethanol	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686 1.842 2.031 2.575 3.357	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373 3.685 4.061 5.150 6.714	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene 1-Tetradecene 1-Tridecene 1-Undecene 2-(2-Butoxyethoxy)-Ethanol 2-(Cloro-methyl)-3-Cloro-Propene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686 1.842 2.031 2.575 3.357 3.518	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373 3.685 4.061 5.150 6.714 7.036	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene 1-Tetradecene 1-Tridecene 1-Undecene 2-(2-Butoxyethoxy)-Ethanol 2-(Cloro-methyl)-3-Cloro-Propene 2,3-Dimethyl-2-Hexene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686 1.842 2.031 2.575 3.357 3.518 7.822	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373 3.685 4.061 5.150 6.714 7.036 15.643	Oct. 22, 1998
1,2-Dimethyl Cyclohexene 1-Chlorobutane 1-Decene 1-Dodecene 1-Heptanal 1-Methyl Cyclohexene 1-Methyl Cyclopentene 1-Nonene 1-Octanal 1-Octene 1-Pentadecene 1-Tetradecene 1-Tridecene 1-Undecene 2-(2-Butoxyethoxy)-Ethanol 2-(Cloro-methyl)-3-Cloro-Propene	6.543 0.240 2.966 2.272 4.299 7.986 8.764 3.453 3.712 4.079 1.686 1.842 2.031 2.575 3.357 3.518	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.086 0.481 5.931 4.544 8.599 15.972 17.529 6.906 7.424 8.157 3.373 3.685 4.061 5.150 6.714 7.036 15.643 12.167	Oct. 22, 1998

2-Decanone	1.244	2	2 /80	Oct. 22, 1998
2-Nonanone	1.501	2		Oct. 22, 1998
2-Octanone	1.889	2		Oct. 22, 1998
B-(Chloromethyl)-Heptane	0.239	2		Oct. 22, 1998
3,4-Diethyl-2-Hexene	3.960	2		Oct. 22, 1998 Oct. 22, 1998
B-Methyl-2-I sopropyl-1-Butene	4.410	2		Oct. 22, 1998 Oct. 22, 1998
B-Nonenes	5.012	2		Oct. 22, 1998
3-Octenes	5.887	2		Oct. 22, 1998
4-Methyl Cyclohexene	3.076	2		Oct. 22, 1998
Acrylonitrile	0.515	2		Oct. 22, 1998
	2.217	2		Oct. 22, 1998 Oct. 22, 1998
a-Methyl Styrene Benzotrifluoride	1	2		
	0.284	2		Oct. 22, 1998
C10 3-Alkenes	4.281	2		Oct. 22, 1998
C10 Cyclic Ketones	1.099		2.198	Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
C10 Cyclic or di-olefins	4.343	2	8 687	Oct. 22, 1998
C10 Disubstituted Benzenes	6.180	2		Oct. 22, 1998
C10 Internal Alkenes	4.281	2		Oct. 22, 1998
C10 Ketones	1.244	2		Oct. 22, 1998
C10 Styrenes	1.982	2		Oct. 22, 1998
C10 Terminal Alkenes	2.966	2		Oct. 22, 1998
C10 Tetrasubstituted Benzenes	6.384	2		Oct. 22, 1998
C10 Trisubstituted Benzenes	6.384	2		Oct. 22, 1998
C11 3-Alkenes	3.744	2		Oct. 22, 1998
C11 Cyclic or di-olefins	3.794	2		Oct. 22, 1998
C11 Disubstituted Benzenes	5.593	2		Oct. 22, 1998
C11 Internal Alkenes	3.744	2		Oct. 22, 1998
C11 Pentasubstituted Benzenes	6.384	2		Oct. 22, 1998
C11 Pentasubstituted Benzenes	6.384	2		Oct. 22, 1998
C11 Terminal Alkenes	2.575	2		Oct. 22, 1998
C11 Tetralin or Indane	1.761	2		Oct. 22, 1998
C11 Tetrasubstituted Benzenes	6.384	2		Oct. 22, 1998
C11 Trisubstituted Benzenes	6.384	2		Oct. 22, 1998
C12 2-Alkenes	3.348	2		Oct. 22, 1998
C12 3-Alkenes	3.348	2		Oct. 22, 1998
C12 Cyclic or di-olefins	3.388	2		Oct. 22, 1998
C12 Disubstituted Benzenes	5.112	2		Oct. 22, 1998
C12 Hexasubstituted Benzenes	6.384	2		Oct. 22, 1998
C12 Internal Alkenes	3.348	2	6.695	Oct. 22, 1998
C12 Internal Alkenes C12 Terminal Alkenes	3.348 2.272	2		Oct. 22, 1998 Oct. 22, 1998

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Cyclopentadiene	2.822	2	5.644	Oct. 22, 1998
Cyclopentanone	1.523	2	3.046	Oct. 22, 1998
Cyclopentene	2.738	2	5.477	Oct. 22, 1998
Dichloromethane	0.096	2	0.193	Oct. 22, 1998
Di-isobutyl Ketone (2,6-dimethyl-4-heptanone)	3.354	2	6.708	Oct. 22, 1998
Dimethyl Amine	6.118	2	12.235	Oct. 22, 1998
Dipropylene Glycol Methyl Ether	3.283	2	6.566	Oct. 22, 1998
Ethyl Acetylene	6.164	2	12.328	Oct. 22, 1998
Ethyl Acrylate	1.460	2	2.920	Oct. 22, 1998
Ethyl Amine	6.365	2		Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
Ethyl Chloride	0.053	2	0.106	Oct. 22, 1998
Ethylene Dibromide	0.093	2	0.186	Oct. 22, 1998
Ethylene Dichloride	0.177	2	0.353	Oct. 22, 1998
Furan	7.175	2		Oct. 22, 1998
ndan	2.180	2	4.360	Oct. 22, 1998
Methyl Acetylene	6.702	2	13.404	Oct. 22, 1998
Methyl Acrylate	1.699	2	3.398	Oct. 22, 1998
Methyl Bromide	0.004	2		Oct. 22, 1998
Methyl Chloride	0.008	2		Oct. 22, 1998
Methyl Propionate	0.602	2	1.204	Oct. 22, 1998
Methylene Bromide	0.007	2		Oct. 22, 1998
Monochlorobenzene	0.395	2	0.789	Oct. 22, 1998
n-Butyl Bromide	0.000	2	0.000	Oct. 22, 1998
Nitrobenzene	0.073	2	0.147	Oct. 22, 1998
n-Propyl Bromide	0.000	2	0.000	Oct. 22, 1998
p-Dichlorobenzene	0.221	2	0.443	Oct. 22, 1998
Perchloroethylene	0.116	2	0.232	Oct. 22, 1998
Phenol	1.856	2	3.713	Oct. 22, 1998
Propylene Glycol t-Butyl-1-Ether	2.630	2	5.259	Oct. 22, 1998
Propylene Glycol t-Butyl-2-Ether	2.224	2	4.448	Oct. 22, 1998
p-Trifluoromethyl-Chloro-Benzene	0.122	2	0.243	Oct. 22, 1998
Sabinene	3.702	2	7.404	Oct. 22, 1998
Frans 2,2-Dimethyl 3-Hexene	6.005	2	12.009	Oct. 22, 1998
Frans 2,5-Dimethyl 3-Hexene	6.096	2		Oct. 22, 1998
Frans 4,4-Dimethyl-2-Hexene	7.006	2	14.012	Oct. 22, 1998
Frans-1,2-Dichloroethene	0.145	2		Oct. 22, 1998
Frans-2-Heptene	6.938	2	13.876	Oct. 22, 1998
Frans-3-Heptene	7.075	2	14.149	Oct. 22, 1998
Frans-3-Octene	5.887	2	11.775	Oct. 22, 1998
Trans-4-Decene	4.281	2		Oct. 22, 1998
Frans-4-Nonene	5.012		10.024	Oct. 22, 1998

Trans-4-Octene	5.885	2	11.770	Oct. 22, 1998
Trans-5-Dodecene	3.347	2	6.695	Oct. 22, 1998
Trans-5-Tetradecene	2.569	2	5.138	Oct. 22, 1998
Trans-5-Tetradecene	2.783	2	5.565	Oct. 22, 1998
Trans-5-Tridecene	3.041	2	6.081	Oct. 22, 1998
Trans-5-Undecene	3.744	2	7.489	Oct. 22, 1998
Trichloroethylene	0.001	2	0.001	Oct. 22, 1998
VOC Ingredient (Table Continued)	Absolute MIR	Uncertainty Factor	Adjusted MIR	Effective Date
Trimethyl Amine	7.308	2	14.617	Oct. 22, 1998
Vinyl Acetate	1.699	2	3.398	Oct. 22, 1998
Vinyl Chloride	0.633	2	1.265	Oct. 22, 1998
1,1-Difluoroethane (HFC-152a)	0.000	1	0.000	Oct. 22, 1998
1,1,1,2-Tetrafluoroethane (HFC-134a)	0.000	1	0.000	Oct. 22, 1998
Volatile Methylated Siloxanes	0.000	1	0.000	Oct. 22, 1998
2-amino-2-methyl-1-propanol*	12.923	1	12.923	Oct. 22, 1998
2-Butoxy-ethyl acetate*	9.587	1	9.587	Oct. 22, 1998
2-Methoxy-1-propanol*	12.782	1	12.782	Oct. 22, 1998
2-Methoxy-1-propyl acetate*	11.621	1	11.621	Oct. 22, 1998
Diethanolamine*	15.979	1	15.979	Oct. 22, 1998
Ethanolamine*	17.289	1	17.289	Oct. 22, 1998
sophorone*	11.114	1	11.114	Oct. 22, 1998
Morpholine*	13.223	1	13.223	Oct. 22, 1998
Oxime 2-butanone*	13.221	1	13.221	Oct. 22, 1998
Triethanolamine*	11.261	1	11.261	Oct. 22, 1998
Triethylamine*	15.179	1	15.179	Oct. 22, 1998
Trimethylolpropane*	7.464	1	7.464	Oct. 22, 1998

^{*} Denotes calculated ULMIR

(2) Hydrocarbon Solvents

Bin	Boiling Range (degrees F)	Aromatic Content	Uncertainty Factor	Adjusted MIR	Effective Date
Bin 1	100-240	0% to less than 2%	1	1.8	Oct. 22, 1998
Bin 1A	100-240	2% to less than 5%	1	1.9	Oct. 22, 1998
Bin 1B	100-240	5% to less than 10%	1	2.0	Oct. 22, 1998
Bin 1C	100-240	10% to less than 15%	1	2.2	Oct. 22, 1998
Bin 1D	100-240	15% to less than 20%	1	2.3	Oct. 22, 1998
Bin 1E	100-240	20% to less than 25%	1	2.4	Oct. 22, 1998
Bin 1F	100-240	greater than 90% normal alkanes	1	1.6	Oct. 22, 1998
Bin 1G	100-240	greater than 90% cycloalkanes	1	2.4	Oct. 22, 1998

Bin	Boiling Range (degrees F)	Aromatic Content	Uncertainty Factor	Adjusted MIR	Effective Date
Bin 1H	100-240	greater than 90% isoalkanes		2.3	Oct. 22, 1998
Bin 1H			1		
	240-310	0% to less than 2%	1	1.7	Oct. 22, 1998
Bin 2A	240-310	2% to less than 5%	1	2.0	Oct. 22, 1998
Bin 2B	240-310	5% to less than 10%	1	2.3	Oct. 22, 1998
Bin 2C	240-310	10% to less than 15%	1	2.6	Oct. 22, 1998
Bin 2D	240-310	greater than 90% normal alkanes	1	1.3	Oct. 22, 1998
Bin 2E	240-310	greater than 90% cycloalkanes	1	1.9	Oct. 22, 1998
Bin 2F	240-310	greater than 90% isoalkanes	1	1.8	Oct. 22, 1998
Bin 3	310-415	0% to less than 2%	1	1.1	Oct. 22, 1998
Bin 3A	310-415	2% to less than 5%	1	1.4	Oct. 22, 1998
Bin 3B	310-415	5% to less than 10%	1	1.7	Oct. 22, 1998
Bin 3C	310-415	10% to less than 15%	1	1.9	Oct. 22, 1998
Bin 3D	310-415	15% to less than 20%	1	2.2	Oct. 22, 1998
Bin 3E	310-415	20% to less than 25%	1	2.5	Oct. 22, 1998
Bin 3F	310-415	greater than 90% normal alkanes	1	0.8	Oct. 22, 1998
Bin 3G	310-415	greater than 90% cycloalkanes	1	1.4	Oct. 22, 1998
Bin 3H	310-415	greater than 90% isoalkanes	1	1.2	Oct. 22, 1998
Bin 4	415-600	0% to less than 2%	1	0.9	Oct. 22, 1998
Bin 4A	415-600	2% to less than 5%	1	1.2	Oct. 22, 1998
Bin 4B	415-600	5% to less than 10%	1	1.4	Oct. 22, 1998
Bin 4C	415-600	10% to less than 15%	1	1.7	Oct. 22, 1998
Bin 4D	415-600	greater than 90% normal alkanes	1	0.6	Oct. 22, 1998
Bin 4E	415-600	greater than 90% cycloalkanes	1	0.9	Oct. 22, 1998
Bin 4F	415-600	greater than 90% isoalkanes	1	0.9	Oct. 22, 1998
Bin 5A	300-355	Aromatics	1	7.0	Oct. 22, 1998
Bin 5B	355-420	Aromatics	1	6.8	Oct. 22, 1998
Bin 5C	420-550	Aromatics	1	6.0	Oct. 22, 1998

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94534. Exemptions

All of the exemptions specified in section 94523 shall apply.

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94535. Administrative Requirements

(a) For the purposes of this article, all of the provisions in section 94524(a), (c)(4), (d) and (e) shall apply. The provisions in section 94524(b) shall not apply.

(b) Labeling Requirements

- (1) Both the manufacturer and responsible party for each aerosol coating product subject to this article shall ensure that all products clearly display the following information on each product container which is manufactured after the effective date of this article:
 - (A) the applicable CLEAR limit for the product that is specified in section 94532(a)(2);
 - (B) the aerosol coating category as defined in section 94521(a), or an abbreviation of the coating category; and
 - (C) the day, month, and year on which the product was manufactured, or a code indicating such date.
- (2) The information required in section 94535(b)(1), shall be displayed on the product container such that it is readily observable without removing or disassembling any portion of the product container or packaging. For the purposes of this subsection, information may be displayed on the bottom of a container as long as it is clearly legible without removing any product packaging.
- (3) No person shall remove, alter, conceal, or deface the information required in section 94535(b)(1) prior to final sale of the product.
- (4) For any aerosol coating product subject to section 94532(a)(2), if the manufacturer or responsible party uses a code indicating the date of manufacture or an abbreviation of the coating category as defined in section 94521(a), an explanation of the code or abbreviation must be filed with the Executive Officer prior to the use of the code or abbreviation.

(c) **Reporting Requirements**

(1) Any responsible party selling products meeting the CLEAR limits in section 94532(a)(2), shall, within 60 days of offering for sale, submit to the Executive Officer of the Air Resources Board a report containing all of the following information:

- (A) A statement indicating which products will comply with the requirements of this Article 3.1 instead of Article 3.
- (B) the company name, mailing address, contact person, and the telephone number of the contact person.
- (2) Upon 90 days written notice, each manufacturer or responsible party subject to this article shall submit to the Executive Officer a written report with all of the following information for each product they manufacture under their name or another company's name:
 - (A) the brand name of the product;
 - (B) upon request, a copy of the product label;
 - (C) the owner of the trademark or brand names;
 - (D) the product category as defined in section 94521;
 - (E) the annual California sales in pounds per year and the method used to calculate California annual sales;
 - (F) the PWMIR and the percent by weight of all ingredients including; water, solids, each VOC ingredient, and any compounds assigned a MIR value of zero as specified in section 94533(a-c);
 - (G) an identification of each product brand name as a "household," "industrial," or "both" product; and
 - (H) any other information necessary to determine the emissions from aerosol coating products.

The information requested in this section (c)(2) may be supplied as an average for a group of aerosol coating products within the same coating category when the products do not vary in VOC content by more than two percent (by weight), and the coatings are based on the same resin type, or the products are color variations of the same product (even if the coatings vary by more than 2 percent in VOC content).

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94536. Variances

- (a) Any person who cannot comply with the requirements set forth in section 94532, because of extraordinary reasons beyond the person's reasonable control may apply in writing to the Executive Officer for a variance. The variance application shall set forth:
 - (1) the specific grounds upon which the variance is sought;

- (2) the proposed date(s) by which compliance with the provisions of section 94532 will be achieved, and
- (3) a compliance report reasonably detailing the method(s) by which compliance will be achieved.
- (b) Upon receipt of a variance application containing the information required in subsection (a), the Executive Officer shall hold a public hearing to determine whether, under what conditions, and to what extent, a variance from the requirements in section 94532 is necessary and will be permitted. A hearing shall be initiated no later than 75 working days after receipt of a variance application. Notice of the time and place of the hearing shall be sent to the applicant by certified mail not less than 30 days prior to the hearing. Notice of the hearing shall also be submitted for publication in the California Regulatory Notice Register and sent to every person who requests such notice, not less than 30 days prior to the hearing. The notice shall state that the parties may, but need not be, represented by counsel at the hearing. At least 30 days prior to the hearing, the variance application shall be made available to the public for inspection. Information submitted to the Executive Officer by a variance applicant may be claimed as confidential, and such information shall be handled in accordance with the procedures specified in Title 17, California Code of Regulations, sections 91000-91022. The Executive Officer may consider such confidential information in reaching a decision on a variance application. Interested members of the public shall be allowed a reasonable opportunity to testify at the hearing and their testimony shall be considered.
- (c) No variance shall be granted unless all of the following findings are made:
 - (1) that, because of reasons beyond the reasonable control of the applicant, requiring compliance with Section 94532 would result in extraordinary economic hardship.
 - (2) that the public interest in mitigating the extraordinary hardship to the applicant by issuing the variance outweighs the public interest in avoiding any increased emissions of air contaminants which would result from issuing the variance.
 - (3) that the compliance report proposed by the applicant can reasonably be implemented, and will achieve compliance as expeditiously as possible.
- (d) Any variance order shall specify a final compliance date by which the requirements of Section 94532 will be achieved. Any variance order shall contain a condition that specifies increments of progress necessary to assure timely compliance, and such other conditions that the Executive Officer, in consideration of the testimony received at the hearing, finds necessary to carry out the purposes of Division 26 of the Health and Safety Code.
- (e) A variance shall cease to be effective upon failure of the party to whom the variance was

granted to comply with any term or condition of the variance.

(f) Upon the application of any person, the Executive Officer may review, and for good cause, modify or revoke a variance from the requirements of section 94532 after holding a public hearing in accordance with the provisions of subsection 94536(b).

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94537. Test Methods

Compliance with the requirements of this article shall be determined by using the applicable test methods found in section 94526, which are incorporated by reference herein.

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94538. Severability

Each part of this article shall be deemed severable, and in the event that any part of this article is held to be invalid, the remainder of this article shall continue in full force and effect.

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.

94539. Federal Enforceability

For purposes of federal enforceability of this article, the United States Environmental Protection Agency is not subject to approval determinations made by the Executive Officer under section 94536 and 94537. Within 180 days of a request from a person who has been granted a variance under section 94536, a variance meeting the requirements of the Clean Air Act shall be submitted by the Executive Officer to the Environmental Protection Agency for inclusion in the applicable implementation plan approved or promulgated by the Environmental Protection Agency pursuant to section 110 of the Clean Air Act, 42 U.S.C., section 7410.

NOTE: Authority cited: section 39600, 39601, and 41712, Health and Safety Code. Reference: sections 39002, 39600, 40000, and 41712, Health and Safety Code.